Listing of Claims

Claims 1-49 have been canceled.

Please cancel Claim 50.

51. (Previously presented) An IrDA transceiver module having a low-power mode and a full-power mode, comprising:

an IrDA discovery signal detection circuit that generates a power-up signal upon detection of a 9600 baud IrDA discovery signal, the power-up signal causing the operation of the IrDA transceiver module to switch from the low-power mode to the full-power mode.

52. (Previously amended) The IrDA transceiver module of Claim 51, wherein the low-power mode is a low-power listening mode, and wherein said switching from the low-power mode to the full-power mode enables the IrDA transceiver module to generate an IrDA transmission.

53. (Previously presented) The IrDA transceiver module of Claim 51, wherein the IrDA transceiver module includes only one infrared receiver.

54. (Previously presented) The IrDA transceiver module of Claim 53, further comprising:

a comparator, the IrDA discovery signal detection circuit causing the comparator to switch from a first low-power state to a second high-power state upon detection of the 9600 baud IrDA discovery signal.

55. (Previously presented) The IrDA transceiver module of Claim 54, wherein the comparator has a power lead, the comparator receiving more power through the power lead in the full-power mode than in the low-power mode.

56. (Previously presented) The IrDA transceiver module of Claim 51, wherein the switching from the low-power mode to the full-power mode enables full IrDA signal transmission and receipt.

57. (Previously presented) The IrDA transceiver module of Claim 51, wherein the 9600 baud discovery signal is transmitted from an appliance, and wherein the switching from the low-power mode to the full-power mode enables the IrDA transceiver module to reply to the appliance by transmitting an infrared signal to the appliance.

58. (Previously presented) An IrDA transceiver comprising an infrared receiver, an infrared transmitter and an IrDA discovery signal detection circuit, the IrDA transceiver having a low-power standby mode and a full-power mode, wherein detection of a 9600 baud signal by the IrDA discovery signal detection circuit causes the IrDA transceiver to switch from the low-power standby mode to the full-power mode, said detection of the 9600 baud signal causing the IrDA transceiver to be enabled for full infrared signal receipt.

59. (Previously Presented) An IrDA transceiver comprising:

infrared transmitter circuitry;

infrared receiver circuitry; and

means for enabling full infrared signal transmission and receipt upon detection of a 9600 baud IrDA discovery signal.

60. (Previously Presented) The IrDA transceiver of Claim 59, wherein the means detects the 9600 baud IrDA discovery signal and thereupon increases an amount of power supplied to the infrared receiver circuitry.